

## **Take Test: Midterm**

Test Infor	mation
Description	
Instructions	
Timed Test	This test has a time limit of 3 hours. This test will save and submit automatically when the time expires.  Warnings appear when half the time, 5 minutes, 1 minute, and 30 seconds remain.
Multiple Attempts	Not allowed. This test can only be taken once.
Force Completion	This test can be saved and resumed at any point until time has expired. The timer will continue to run if you leave the test.

### QUESTION 1 3.125 points Saved

Which of the following is a common type of NoSQL

- Key-Value stores
- Document Databases
- Wide-Column Databases
- Graph Database
- All the above

# QUESTION 2 3.125 points Saved

Less knowledge needed: Cloud computing does not skills	require specialized
Less stress levels: less worry about normal daily active back-ups	rities like making
IT staff do not care about the Cloud	
QUESTION 3	3.125 points Save
What are the different types of Cloud Service Models?  DBaaS, IaaS, PaaS, KaaS	
○ FaaS, NaaS, LaaS	
o laaS, PaaS, SaaS	
None of the above	
	0.405
QUESTION 4	3.125 points Save
Which of the following best describes a phantom deadlo  "a is waiting for b" and "b is waiting for c", but in fact checked "a", "b" was no longer waiting  "a is waiting for b" and "b is waiting for c", but in fact checked "a", "c" was no longer waiting  "a is waiting for b" and "b is waiting for c", but in fact checked "b", "a" was no longer waiting	ck? t, by the time we
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<ul> <li>Users experience higher downtime and lower through</li> </ul>	hput.
QUESTION 7	3.125 points Saved
How does Cloud computing change the relationship bet customer?	ween providers and
<ul> <li>Increased focus on SLAs</li> </ul>	
<ul> <li>Less compliance to standards</li> </ul>	
<ul><li>Less focus on SLAs</li></ul>	
More focus on training	
Allowed hackers to steal photos from a Cloud storage	e provider
QUESTION 8	3.125 points Saved
Which of the following Amazon Web Services is equivale with OpenStack Swift?	ent in functionality
O EC2 O EBS	
• S3	
O ELB	
None of the above	
QUESTION 9	3.125 points Saved
What is an important benefit of the Cloud	
What is an important benefit of the Cloud  Highly protected data	
Highly protected data	
<ul><li>Highly protected data</li><li>Independency from the Internet</li></ul>	
<ul> <li>Highly protected data</li> <li>Independency from the Internet</li> <li>Reduced cost</li> <li>) Small bandwidth</li> </ul>	3.125 points
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QUESTION 11	3.125 points Saved
What does a Load Balancer do?  It helps replicate the data cross one or more data systems  It helps to spread the traffic across a cluster of services to improve responsiveness and availability of applications, websites and data It helps with reducing the critical path delay by caching day in the part of the cloud	abase.
Remaining Time: 2 hours, 24 minutes, 37 seconds.	
Question Completion Status:	
o committed/aborted	
QUESTION 13	3.125 points Saved
<ul> <li>Scalability is the capability of a system, process, or a network to and manage increased demand. Any distributed system that can continuously evolve in order to support the growing amount of we considered to be scalable.</li> <li>Scalability is the probability a system may fail in a given period.</li> <li>Scalability is the amount of time a system remains operational to is required function.</li> </ul>	ork is
QUESTION 14	3.125 points Saved
The CAP theorem states that in a distributed system you can have Consistency Availability Partition Tolerance Only two of the above All of the above	
QUESTION 15	3.125 points Saved
There are many difference schemes one could use to decide how to a database into multiple smaller databases. Which of the following is schemes of partitioning data:	break up

<ul><li>All the above</li></ul>		
QUESTION 16	3.125 points §	Saved
Click Save and Submit to save and submit. Click Save All A	nswers to save all answers.	
Storage in the cloud has shorter access time than sit	лауе пт те юсаг	
<ul> <li>Storage in the cloud is easier to protect against intrust</li> </ul>	sion.	
<ul> <li>There is no benefit. Cloud is a crap.</li> </ul>		
QUESTION 17	3.125 points \$	Saved
What does Partition tolerance mean in the context of the	CAP theorem	
What does Partition tolerance mean in the context of the All nodes see the same data at the same time	CAP theorem	
<ul><li>All nodes see the same data at the same time</li><li>Every request gets a response on success/failure</li></ul>		
All nodes see the same data at the same time		
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Is the following correct around schemas: In SQL stores, each records conforms to a fixed schema, meaning a the columns must be decided and chosen before data entry and each row must have data for each column. The schema can be altered later, but involves modifying the whole database and

○ False	
QUESTION 21	3.125 points Saved
What is the correct definition of Cloud Computing	
A large pool of usable and accessible virtualized resources	
A network of globally interconnected client computers	
A service architecture based on thin clients	
A service offer by a service provider, not limited by a Service L Agreement (SLA)	evel
QUESTION 22	3.125 points Saved
Which one of the following is correct:	
If a system is available then it is reliable	
<ul> <li>If a system is reliable then it is available</li> </ul>	
QUESTION 23	3.125 points Saved
Q02011014 20	3.123 points Saved
If the number of partitions in larger than the number of consumers	in Kafka
then  Consumers will receive messages from multiple partitions	
Ocnsumers will receive messages from multiple partitions	
	ons to read
<ul> <li>Consumers will receive messages from multiple partitions</li> <li>Some consumers may be idle because they will have no partition</li> </ul>	ons to read
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Which of the following could be a potential problem with data partitioning:

- Performing joins on database which is running on one server
- Performing joins on database which is running on multiple servers

#### **QUESTION 26**

**3.125 points** 

Saved

Early detection of faults can decrease or avoid system downtime

- True
- False

#### **QUESTION 27**

**3.125 points** 

Saved

What can be done to make maximum use of the interoperability principle of Cloud computing?

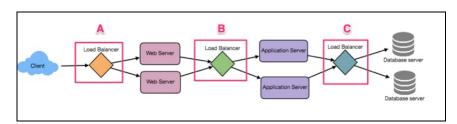
- Employ multiple system integrators to build your private cloud
- Only use cloud providers in the US
- Use hardware and software from a single vendor
- Use standard protocols

#### **QUESTION 28**

**3.125 points** 

Saved

In the picture below we showcase where a Load Balancer can be placed in order to utilize full scalability and redundancy. Which of the following load balancers are redundant



- Between the user and the web server;
- Between web servers and an internal platform layer, like application servers or cache servers:
- Between internal platform layer and database;
- All A, B and C LB are needed to balance the load at each layer of the system.

#### **QUESTION 29**

**3.125 points** 

Saved

How did virtualization helped with the proliferation of Cloud Computing

QUESTION 30  The critical path is the set of actions that can end-user after they requested a reply from the control of the co		Saved
True	om the cloud	
O False		
QUESTION 31	3.125 points	Saved
What is not a valid reason for the custome their servers are located?	r asking a Cloud provider where	
Geographical location may tell someth	ing about network latency	
Geographical location may tell someth	ing about legislation	
The number of sites tells you somethin possibilities		
• When a server breaks down, the custo fix the problem as soon as possible	mer wants to send a technician to	
QUESTION 32	3.125 points	Saved
Which service model allows the customer computing architecture	to choose more layers in the	
<ul><li>Infrastructure as a Service (laaS)</li></ul>		
O Platform as a Service (PaaS)		
<ul><li>Software as a Service (SaaS)</li><li>There is no difference between the service.</li></ul>		